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3	102	((oxo with (thiophen or thiophene)) and phenyl) and spiro	USPAT; US-PGPUB	2003/09/12 11:12

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NEWS	4	Apr 09	ZDB will be removed from STN
NEWS	5	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS	6	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS	7	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS	8	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS	9	Jun 03	New e-mail delivery for search results now available
NEWS	10	Jun 10	MEDLINE Reload
NEWS	11	Jun 10	PCTFULL has been reloaded
NEWS	12	Jul 02	FOREGE no longer contains STANDARDS file segment
NEWS	13	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
NEWS	14	Jul 29	Enhanced polymer searching in REGISTRY
NEWS	15	Jul 30	NETFIRST to be removed from STN
NEWS	16	Aug 08	CANCERLIT reload
NEWS	17	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS	18	Aug 08	NTIS has been reloaded and enhanced
NEWS	19	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS	20	Aug 19	IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS	21	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS	22	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	23	Sep 03	JAPIO has been reloaded and enhanced
NEWS	24	Sep 16	Experimental properties added to the REGISTRY file
NEWS	25	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS	26	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS	27	Oct 21	EVENTLINE has been reloaded
NEWS	28	Oct 24	BEILSTEIN adds new search fields
NEWS	29	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS	30	Oct 25	MEDLINE SDI run of October 8, 2002
NEWS	31	Nov 18	DKILIT has been renamed APOLLIT
NEWS	32	Nov 25	More calculated properties added to REGISTRY
NEWS	33	Dec 02	TIBKAT will be removed from STN
NEWS	34	Dec 04	CSA files on STN
NEWS	35	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS	36	Dec 17	TOXCENTER enhanced with additional content
NEWS	37	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS	38	Dec 30	ISMEC no longer available
NEWS	39	Jan 13	Indexing added to some pre-1967 records in CA/CAPLUS
NEWS	40	Jan 21	NUTRACEUT offering one free connect hour in February 2003
NEWS	41	Jan 21	PHARMAML offering one free connect hour in February 2003
NEWS	42	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC

NEWS EXPRESS	January 6 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002
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FILE 'HOME' ENTERED AT 17:11:06 ON 09 FEB 2003

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COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.21       0.21

FILE 'REGISTRY' ENTERED AT 17:11:16 ON 09 FEB 2003
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DICTIONARY FILE UPDATES:    7 FEB 2003  HIGHEST RN 487578-67-6

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

  Please note that search-term pricing does apply when
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Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available.  See HELP
PROPERTIES for more information.  See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

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L1      STRUCTURE UPLOADED

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L1 HAS NO ANSWERS
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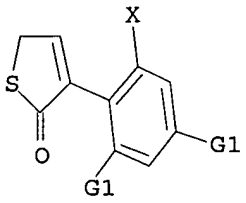
10/ 017,695



G1 X,Ak

Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SCREEN SEARCH COMPLETED -     10 TO ITERATE

100.0% PROCESSED      10 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:           11 TO      389
PROJECTED ANSWERS:               0 TO        0

L2            0 SEA SSS SAM L1

=> s l1 ful
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FULL SCREEN SEARCH COMPLETED -    222 TO ITERATE

100.0% PROCESSED     222 ITERATIONS                               1 ANSWERS
SEARCH TIME: 00.00.01

L3            1 SEA SSS FUL L1

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COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
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FILE 'MARPAT' ENTERED AT 17:12:51 ON 09 FEB 2003
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FILE CONTENT: 1988-PRESENT (VOL 104 ISS 15-VOL 138 ISS 6)(20030207/ED)

MOST RECENT CITATIONS FOR PATENTS FROM FIVE MAJOR ISSUING AGENCIES
(COVERAGE TO THESE DATES IS NOT COMPLETE):

US     6506784 14 JAN 2003
DE    20211496 09 JAN 2003
EP     1276165 15 JAN 2003
JP 2003013033 15 JAN 2003
WO 2003003393 09 JAN 2003

Structure search limits have been raised.  See HELP SLIMIT for the new,
higher limits.
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=> s l3 ful
FULL SEARCH INITIATED 17:13:02 FILE 'MARPAT'
FULL SCREEN SEARCH COMPLETED - 617 TO ITERATE

100.0% PROCESSED 617 ITERATIONS 17 ANSWERS
SEARCH TIME: 00.00.11

L4 17 SEA SSS FUL L1

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COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 54.05 203.21

FILE 'CAPLUS' ENTERED AT 17:13:19 ON 09 FEB 2003
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FILE COVERS 1907 - 9 Feb 2003 VOL 138 ISS 7
FILE LAST UPDATED: 7 Feb 2003 (20030207/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

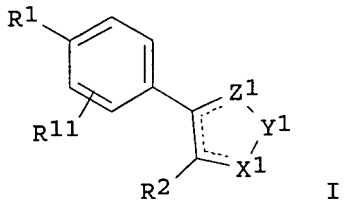
=> s l4
L5 17 L4

=> d l5 1- ibib abs hitstr
YOU HAVE REQUESTED DATA FROM 17 ANSWERS - CONTINUE? Y/(N):y

L5 ANSWER 1 OF 17 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2002:928248 CAPLUS
DOCUMENT NUMBER: **138:14003**
TITLE: Preparation of arylfuranones and related compounds as cyclooxygenase-2 inhibitors
INVENTOR(S): Garvey, David S.; Schroeder, Joseph D.
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 42 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002183366	A1	20021205	US 2002-102865	20020322

PRIORITY APPLN. INFO.: US 2001-277950P P 20010323
OTHER SOURCE(S): MARPAT 138:14003
GI



I

AB Title compds. [I; X1Y1Z1 = CR4R5CR5R51CR4R5, COCR4R41CR5R51, CR4R41CR5R51CO, [CR5(R51)]kOC(O), C(O)O[CR5R51]k, CR4R41NR3CR5R51, CR5R51NR3CO, CR4:CR41S, SCR4CR41, SN:CR4, CR4:NS, N:CR4O, OCR4:N, NR3CR4:N, N:CR4S, SCR4:N, CONR3CR51R51, R3NCR5:CR51, CR4:CR5NR3, ON:CR4, CR4:NO; NNS, SN:N; R3NCR4:N, N:CR4NR3, R3NN:N, N:NNR3, CR4R41OCR5R51, CR4R41SCR5R51, CR4R41COCR5R51, CR4R41CR5R51CS, [CR5R51]kOC(S), C(S)O[CR5R51]k, etc.; R1 = SO2C(XRjRk), S(O)C(XRjRk); R11 = H, halo, Me, CH2OH; R2 = alkyl, cycloalkyl, substituted Ph, naphthyl, heteroaryl, etc.; R3 = H, haloalkyl, cyano, alkyl, etc.; R4, R41, R5, R51 = H, amino, cyano, alkyl, haloalkyl, alkoxy, alkylthio, etc.; j = 0-3; k = 1, 2], were prepd. Thus, 4-(4-methylthiophenyl)-3-phenyl-1,5-dihydrofuran-2-one, antimony chloride, and Deoxy-Fluor were stirred in CH2Cl2 for 12 h. MCPBA was added followed by 4 h stirring to give 8% 4-[4-[fluoromethylsulfonyl]phenyl]-3-phenyl-1,5-dihydrofuran-2-one. The latter inhibited COX-2 by 40% at 10 .mu.M.

L5 ANSWER 2 OF 17 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2001:472491 CAPLUS
DOCUMENT NUMBER: **135:76524**
TITLE: Preparation of nitrosated and nitrosylated cyclooxygenase-2 inhibitors
INVENTOR(S): Bandarage, Ramani R.; Bandarage, Upul K.; Fang, Xinqin; Garvey, David S.; Letts, L. Gordon; Schroeder, Joseph D.; Tam, Sang William
PATENT ASSIGNEE(S): Nitromed, Inc., USA
SOURCE: PCT Int. Appl., 230 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001045703	A1	20010628	WO 2000-US35014	20001222
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 2001041726	A1	20011115	US 2000-741816	20001222
EP 1246621	A1	20021009	EP 2000-989422	20001222
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				

PRIORITY APPLN. INFO.: US 1999-171623P P 19991223
US 2000-226085P P 20000818
WO 2000-US35014 W 20001222

OTHER SOURCE(S): MARPAT 135:76524
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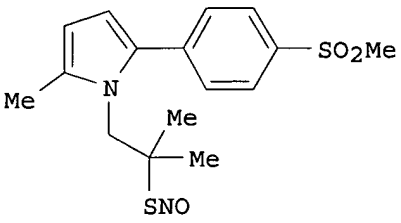

I

AB Title compds. were prepd. Thus, MeCOCH:CH2 was condensed with 4-(MeS)C6H4CHO and the oxidized product cyclocondensed with Me2C(SH)CH2NH2 to give, after Me3CONO treatment, title compd. I. Data for biol. activity of title compds. were given.
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 3 OF 17 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2001:75245 CAPLUS
DOCUMENT NUMBER: **134:147400**
TITLE: Preparation of biphenyl-substituted cyclic ketoenol derivatives as herbicides and pesticides
INVENTOR(S): Fischer, Reiner; Graff, Alan; Bretschneider, Thomas; Erdelen, Christoph; Drewes, Mark Wilhelm; Feucht, Dieter
PATENT ASSIGNEE(S): Bayer A.-G., Germany
SOURCE: Ger. Offen., 68 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19935963	A1	20010201	DE 1999-19935963	19990730
WO 2001009092	A1	20010208	WO 2000-EP6852	20000718
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
BR 2000012877	A	20020409	BR 2000-12877	20000718
EP 1204638	A1	20020515	EP 2000-949371	20000718
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				

PRIORITY APPLN. INFO.: DE 1999-19935963 A 19990730
WO 2000-EP6852 W 20000718

OTHER SOURCE(S): MARPAT 134:147400
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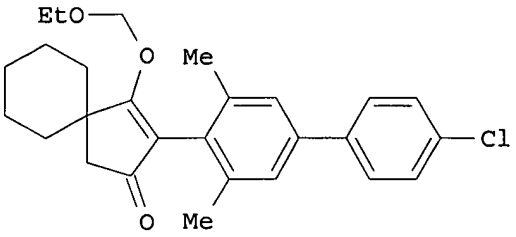

I

AB Title compds., e.g., cyclic enol ether I, were prepd. Data for biol. activity of title compds. were given.

L5 ANSWER 4 OF 17 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2000:607400 CAPLUS
DOCUMENT NUMBER: **133:193062**
TITLE: Preparation of 2-aryl-4-hydroxy-2,5-dihydro-2-furanones and analogs
INVENTOR(S): Lieb, Folker; Fischer, Reiner; Graff, Alan
PATENT ASSIGNEE(S): Bayer A.-G., Germany
SOURCE: Ger. Offen., 8 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19908699	A1	20000831	DE 1999-19908699	19990226

PRIORITY APPLN. INFO.: DE 1999-19908699 19990226
OTHER SOURCE(S): CASREACT 133:193062; MARPAT 133:193062
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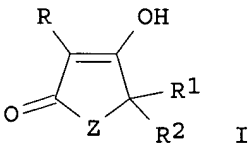

I

AB Title compds. [I; R = (un)substituted Ph; R1 = H, (un)substituted (cyclo)alkyl, -(hetero)aryl; R2 = CR3:CHR4; R3 = H, halo, (un)substituted cycloalkyl; R4 = H or (un)substituted alkyl; R1R4,R3R4 = atoms to complete a ring; Z = O, S, [(ar)alkyl]imino] were prepd. by cyclocondensation of RC(COCl):C:O with R1C(:Z)CHR3CH2R4. Thus, 2,4,6-trimethylphenylchlorocarbonylketene was refluxed 8h with Me cyclopentyl ketone to give 60% I (R = 2,4,6-trimethylphenyl, R1 = Me, R2 = 1-cyclopentenyl).

L5 ANSWER 5 OF 17 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1999:708738 CAPLUS
DOCUMENT NUMBER: **131:310546**
TITLE: Arylphenyl-substituted cyclic keto enols as insecticides and acaricides
INVENTOR(S): Lieb, Folker; Fischer, Reiner; Graff, Alan; Schneider, Udo; Bretschneider, Thomas; Erdelen, Christoph; Andersch, Wolfram; Drewes, Mark Wilhelm; Dollinger, Markus; Wetcholowsky, Ingo; Feucht, Dieter; Pontzen, Rolf; Myers, Randy Allen

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PATENT ASSIGNEE(S): Bayer A.-G., Germany
SOURCE: PCT Int. Appl., 245 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9955673	A1	19991104	WO 1999-EP2488	19990414
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RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 19818732	A1	19991028	DE 1998-19818732	19980427
AU 9934215	A1	19991116	AU 1999-34215	19990414
BR 9910034	A	20001226	BR 1999-10034	19990414
EP 1075465	A1	20010214	EP 1999-915759	19990414
R: FR				
JP 2002513002	T2	20020508	JP 2000-545833	19990414
US 6451843	B1	20020917	US 2001-673907	20010102

PRIORITY APPLN. INFO.: DE 1998-19818732 A 19980427
WO 1999-EP2488 W 19990414
OTHER SOURCE(S): MARPAT 131:310546
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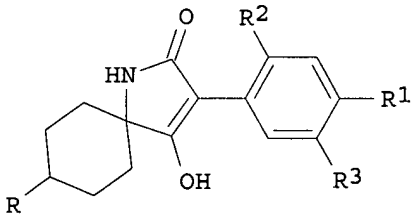


I

AB Title compds. were prepd. for use as insecticides and acaricides. Thus, pyrrolinone I [R = Me, R1 = 4-ClC6H4, R2 = Me, R3 = Cl] was prepd. by treating I [R1 = Br] with 4-ClC6H4B(OH)2. I [R = OEt, R1 = 4-ClC6H4, R2 = Cl, R3 = Me] at 1% gave 90% kill of Phaedon cochleariae and at 0.1% gave 95% kill of Tetranychus urticae.
REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

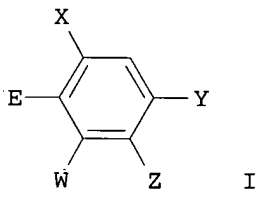
L5 ANSWER 6 OF 17 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1999:626173 CAPLUS
DOCUMENT NUMBER: **131:243180**
TITLE: Preparation of arylketoenols as pesticides and herbicides.
INVENTOR(S): Lieb, Folker; Fischer, Reiner; Graff, Alan; Schneider, Udo; Bretschneider, Thomas; Erdelen, Christoph; Andersch, Wolfram; Drewes, Mark Wilhelm; Dollinger, Markus; Wetcholowsky, Ingo; Myers, Randy Allen

10/ 017,695

PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 267 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9948869	A1	19990930	WO 1999-EP1787	19990318
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 19813354	A1	19990930	DE 1998-19813354	19980326
CA 2325526	AA	19990930	CA 1999-2325526	19990318
AU 9934147	A1	19991018	AU 1999-34147	19990318
AU 751256	B2	20020808		
BR 9909143	A	20001205	BR 1999-9143	19990318
EP 1066258	A1	20010110	EP 1999-915653	19990318
R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL				
JP 2002507599	T2	20020312	JP 2000-537852	19990318
US 6458965	B1	20021001	US 2001-646722	20010102

PRIORITY APPLN. INFO.: DE 1998-19813354 A 19980326
WO 1999-EP1787 W 19990318
OTHER SOURCE(S): MARPAT 131:243180
GI



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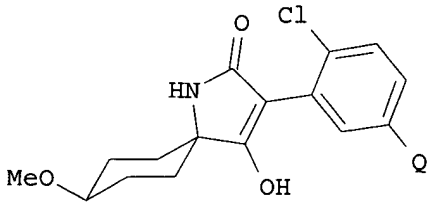


II

AB Title compds. [I; X = halo, alkyl, alkoxy, alkenyloxy, alkylthio, alkylsulfinyl, alkylsulfonyl, haloalkyl, haloalkoxy, haloalkenyloxy, NO2, cyano, (substituted) Ph, PhO, PhS, phenylalkoxy, phenylalkylthio; Z = (substituted) cycloalkyl, aryl, heteroaryl; W, Z = H, halo, alkyl, alkoxy, alkenyloxy, haloalkyl, haloalkoxy, haloalkenyloxy, NO2, cyano; E = specified (substituted) dioxopyrrolyl, dioxofuryl, dioxothienyl, dioxopyrazolyl, dioxopyranyl, dioxocyclopentyl, etc., residues], were prepd. Thus, II (Q = Br) was stirred with 4-trifluoromethoxyphenylboronic acid, Pd(PPh3)4, and Na2CO3 in dimethoxyethane/H2O at 80.degree. to give II (Q = 4-C6H4OCF3). I at 0.1% gave 95-100% kill of Myzus persicae on cabbage leaves.

REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

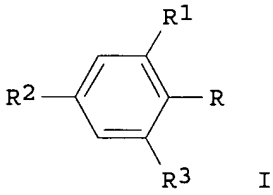
L5 ANSWER 7 OF 17 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1999:566021 CAPLUS

10/ 017,695

DOCUMENT NUMBER: **131:199616**
TITLE: Preparation of cyclic ketoenols as herbicides and pesticides
INVENTOR(S): Lieb, Folker; Fischer, Reiner; Graff, Alan; Schneider, Udo; Bretschneider, Thomas; Erdelen, Christoph; Andersch, Wolfram; Drewes, Mark-Wilhelm; Dollinger, Markus; Wetcholowsky, Ingo; Myers, Randy Allen
PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 264 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9943649	A1	19990902	WO 1999-EP1029	19990217
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 19808261	A1	19991028	DE 1998-19808261	19980227
CA 2322158	AA	19990902	CA 1999-2322158	19990217
AU 9925231	A1	19990915	AU 1999-25231	19990217
AU 749786	B2	20020704		
BR 9909243	A	20001114	BR 1999-9243	19990217
EP 1056717	A1	20001206	EP 1999-904881	19990217
R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL				
JP 2002504538	T2	20020212	JP 2000-533407	19990217
ZA 9901568	A	19990827	ZA 1999-1568	19990226
US 6417370	B1	20020709	US 2000-623016	20001023
US 2002188136	A1	20021212	US 2002-137763	20020502

PRIORITY APPLN. INFO.: DE 1998-19808261 A 19980227
WO 1999-EP1029 W 19990217
US 2000-623016 A3 20001023
OTHER SOURCE(S): MARPAT 131:199616
GI



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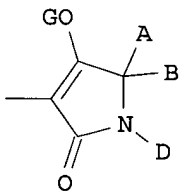


II

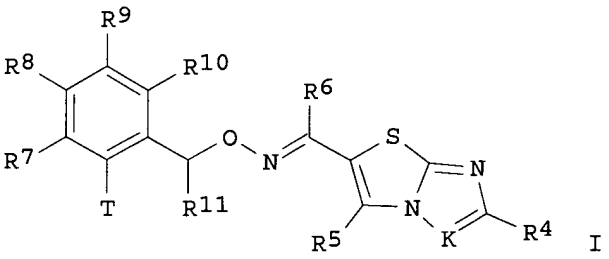
AB Title compds. [I; R = enolic oxo(hetero)cyclic group, e.g., oxopyrrolinyl group II; A = H, (halo)alk(en)yl, (hetero)aryl, etc.; B = H or (alkoxy)alkyl; AB = atoms to complete a ring; D = H, alk(en)yl, (hetero)aryl, etc.; AD = atoms to complete a ring; G = H or acyl; R1 = halo, alkyl, alkoxy, phenyl(oxy), etc.; R2 = (un)substituted cycloalkyl or -(hetero)aryl; R3 = H, halo, alkyl, alkoxy, etc.] were prepd. Thus, I (R = group II, A = CHMe2, B = R1 = Me, D = G = H, R2 = Et)(III; R2 = Br) was condensed with 4-ClC6H4B(OH)2 to give III (R2 = C6H4Cl-4). Data for biol.

activity of I were given.
REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 8 OF 17 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1999:260034 CAPLUS
DOCUMENT NUMBER: **130:296553**
TITLE: Preparation of analogs of strobilurine as agrochemical fungicides.
INVENTOR(S): Filippini, Lucio; Venturini, Isabella; Colombo, Laura; Mirenna, Luigi
PATENT ASSIGNEE(S): Isagro Ricerca S.r.l., Italy
SOURCE: Eur. Pat. Appl., 24 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 909760	A1	19990421	EP 1998-203490	19981016
EP 909760	B1	20011212		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
AT 210667	E	20011215	AT 1998-203490	19981016
ES 2169475	T3	20020701	ES 1998-203490	19981016
JP 11193288	A2	19990721	JP 1998-297339	19981019
US 5994380	A	19991130	US 1998-174451	19981019

PRIORITY APPLN. INFO.: IT 1997-MI2347 A 19971017
OTHER SOURCE(S): MARPAT 130:296553
GI



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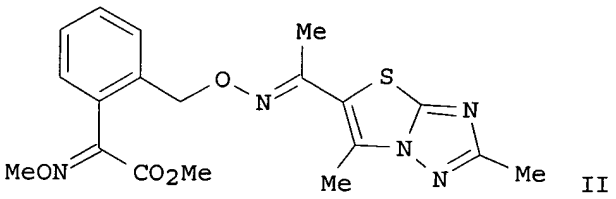

II

AB Title compds. [I; R4, R5, R6 = H, alkyl, haloalkyl, alkoxy, haloalkoxy, thioalkyl, amino, cycloalkyl, heterocyclyl, alkoxycarbonyl, carbamoyl, PH, naphthyl, PhO, naphthyloxy, etc.; K = N, CR12; R7-R12 = H, alkyl, alkoxy, thioalkyl, cycloalkyl, alkoxycarbonyl, Ph, cyano, halo, etc.; adjacent

pairs of Rd-Rg = CH:CHCH:CH; T = R2YCH:CDOXR1, R2YN:CCOXR1, etc.; X, Y = O, S, NR3, bond; R1 = H, alkyl, haloalkyl, alkoxy, haloalkoxy, etc.; R2 = H, alkyl, haloalkyl; R3 = H, alkyl, haloalkyl; with provisos], were prepd. Thus, 2-BrCH2C6H4C(:NOMe)CO2Me was stirred with K2CO3 in DMF; 6-acetylthiazolo[3,2-b][1,2,4]triazole oxime in DMF was added and the mixt. was kept 24 h to give title compd. (II). All I at 500 ppm gave >90% control of Sphaerotheca fuliginea on cucumber leaves.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 9 OF 17 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1997:780649 CAPLUS

DOCUMENT NUMBER: **128:48214**

TITLE: Preparation of 3,5-diphenyl-2(5H)-furanone derivatives as nonpeptide endothelin I antagonists

INVENTOR(S): Berryman, Kent Alan; Doherty, Annette Marian; Edmunds, Jeremy John; Patt, William Chester; Plummer, Mark Stephen; Repine, Joseph Thomas

PATENT ASSIGNEE(S): Warner-Lambert Co., USA

SOURCE: U.S., 120 pp., Cont.-in-part of U.S. Ser. No. 278,882, abandoned.
CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5691373	A	19971125	US 1995-384083	19950206
CA 2165567	AA	19950223	CA 1994-2165567	19940809
HU 74179	A2	19961128	HU 1996-365	19940809
ZA 9406265	A	19960219	ZA 1994-6265	19940818
US 6017916	A	20000125	US 1997-787423	19970122

PRIORITY APPLN. INFO.:

US 1993-109751		19930819
US 1994-217578		19940324
US 1994-278882		19940726
US 1995-384083		19950206

OTHER SOURCE(S): MARPAT 128:48214

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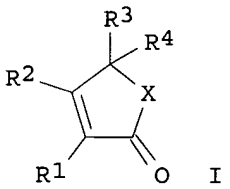

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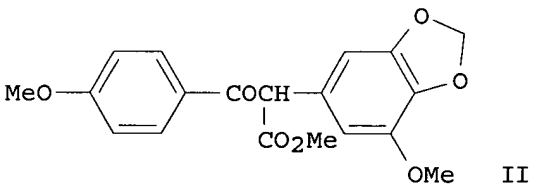

II

AB Novel nonpeptide antagonists of endothelin I represented by formula [I; R1 = (un)substituted C3-12 cycloalkyl, Ph substituted with 1-5 substituents, naphthyl or heteroaryl optionally substituted with 1-5 substituents; R2 = C1-12 linear or branched alkyl, C3-12 linear or branched cycloalkyl, aryl optionally substituted with 1-5 substituents, heteroaryl optionally substituted with 1-3 substituents; R3 = (un)substituted C1-12 linear or branched alkyl, (un)substituted C3-12 cycloalkyl, aryl optionally substituted with 1-5 substituents, heteroaryl optionally substituted with 1-3 substituents; R4 = OH, OR5, (CH2)nOR5; wherein R5 = (un)substituted C1-7 alkyl; X = O, S] or tautomeric open chain keto-acids forms thereof or

pharmaceutically acceptable salt thereof are prepd. Also described are pharmaceutical compns. of the above compds., which are useful in treating elevated levels of endothelin, acute and chronic renal failure, hypertension, myocardial infarction, myocardial ischemia, cerebral vasospasm, cerebral ischemia, cerebral infarction, cirrhosis, septic shock, congestive heart failure, endotoxic shock, subarachnoid hemorrhage, arrhythmia, asthma, preeclampsia, atherosclerotic disorders including Raynaud's disease and restenosis, angina, cancer, pulmonary hypertension, ischemic disease, gastric mucosal damage, hemorrhagic shock, ischemic bowel disease, stroke, benign prostatic hyperplasia (BPH), and diabetes. Thus, Me 2-benzoyl-2-phenylacetate deriv. (II) and 3,4,5-trimethoxybenzladehyde were refluxed in the presence of NaOMe in MeOH for 18 h and the soln. was treated with AcOH and refluxed an addnl. 72 h, followed by sapon. of the product with 1N aq. NaOH and acidification to give 28% I (X = O, R1 = Q, R2 = 3,4,5-trimethoxyphenyl, R3 = 4-methoxyphenyl, R4 = OH). The latter compd. in vitro showed an antagonism of endothelin I-stimulated vasoconstriction in the rabbit femoral artery and sarafotoxin 6c-stimulated vasoconstriction in the rabbit pulmonary artery with pA2 values of 0.00025 and 0.34, resp.

L5 ANSWER 10 OF 17 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1997:679056 CAPLUS
DOCUMENT NUMBER: **127:318875**
TITLE: Arylheterocyclic keto enols as pesticides and herbicides
INVENTOR(S): Lieb, Volker; Hagemann, Hermann; Widdig, Arno; Ruther, Michael; Fischer, Reiner; Bretschneider, Thomas; Erdelen, Christoph; Wachendorff-Neumann, Ulrike; Graff, Alan; Schneider, Udo
PATENT ASSIGNEE(S): Bayer A.-G., Germany; Lieb, Volker; Hagemann, Hermann; Widdig, Arno; Ruther, Michael; Fischer, Reiner; Bretschneider, Thomas; Erdelen, Christoph; Wachendorff-Neumann, Ulrike; et al.
SOURCE: PCT Int. Appl., 192 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9736868	A1	19971009	WO 1997-EP1426	19970321
W: AU, BB, BG, BR, BY, CA, CN, CZ, HU, IL, JP, KR, KZ, LK, MX, NO, NZ, PL, RO, RU, SK, TR, UA, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
DE 19649665	A1	19971009	DE 1996-19649665	19961129
CA 2250417	AA	19971009	CA 1997-2250417	19970321
AU 9722900	A1	19971022	AU 1997-22900	19970321
AU 725852	B2	20001019		
EP 891330	A1	19990120	EP 1997-915409	19970321
R: BE, CH, DE, ES, FR, GB, GR, IT, LI, NL, PT				
CN 1215390	A	19990428	CN 1997-193592	19970321
BR 9708425	A	19990803	BR 1997-8425	19970321
JP 2000507564	T2	20000620	JP 1997-534875	19970321
KR 2000004994	A	20000125	KR 1998-7606	19980925
KR 2000004994	A	20000125	KR 1998-707606	19980925
US 6140358	A	20001031	US 1998-155637	19980929
US 2001004629	A1	20010621	US 2000-550105	20000414
US 6271190	B2	20010807		
US 6388123	B1	20020514	US 2001-871611	20010601
US 6486343	B1	20021126	US 2002-74351	20020212

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PRIORITY APPLN. INFO.: DE 1996-19613171 A 19960402
DE 1996-19649665 A 19961129
WO 1997-EP1426 W 19970321
US 1998-155637 A3 19980929
US 2000-550105 A3 20000414
US 2001-871611 A3 20010601

OTHER SOURCE(S): MARPAT 127:318875

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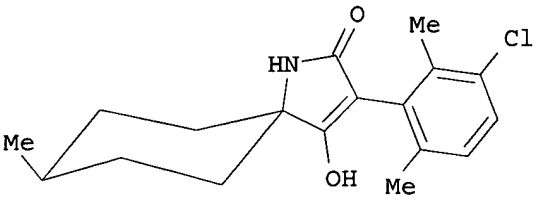

I

AB Title compds. were prepd. Thus, 3,2,6-Cl(Me)2C6H2CH2CO2H was treated with Me cis-1-amino-4-methylcyclohexanecarboxylate and cyclized with base to give the pyrrolinone I. At 0.1% I gave 100% control of Nephotettix cincticeps on rice.

L5 ANSWER 11 OF 17 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1997:276449 CAPLUS
DOCUMENT NUMBER: **126:251066**
TITLE: Preparation of furanones as endothelin antagonists
INVENTOR(S): Cheng, Xue-Min; Doherty, Annette Marian; Patt, William Chester; Repine, Joseph Thomas
PATENT ASSIGNEE(S): Warner-Lambert Company, USA; Cheng, Xue-Min; Doherty, Annette, Marian; Patt, William, Chester; Repine, Joseph, Thomas
SOURCE: PCT Int. Appl., 46 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9708169	A1	19970306	WO 1996-US12431	19960729
W: AU, BG, CA, CN, CZ, EE, GE, HU, IL, JP, KR, LT, LV, MX, NO, NZ, PL, RO, SG, SI, SK, UA, US, UZ, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9666039	A1	19970319	AU 1996-66039	19960729
US 5998468	A	19991207	US 1997-983554	19971215

PRIORITY APPLN. INFO.: US 1995-2724P P 19950824
WO 1996-US12431 W 19960729

OTHER SOURCE(S): MARPAT 126:251066

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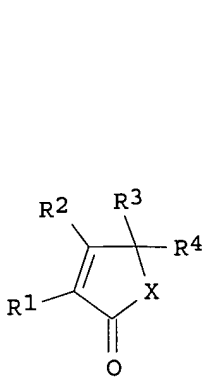

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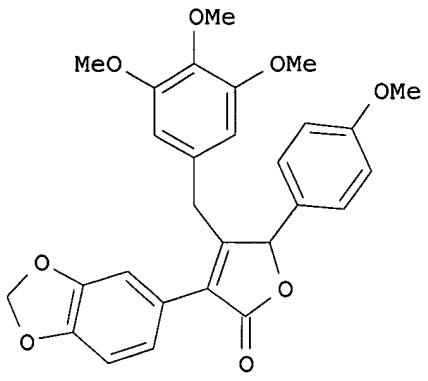

II

AB Novel nonpeptide antagonists of endothelin [I; R1 = (un)substituted C3-12 cycloalkyl, Ph, naphthyl, heteroaryl; R2 = (un)substituted C1-12 alkyl, C3-12 cycloalkyl; R3 = (un)substituted C1-12 alkyl, C3-12 cycloalkyl, etc.; R4 = OH, O(C1-7 alkyl), SH, etc.; X = O, S], useful in treating elevated levels of endothelin, acute and chronic renal failure, hypertension, myocardial infarction, myocardial ischemia, cerebral vasospasm, cerebral ischemia, cerebral infarction, cirrhosis, septic shock, congestive heart failure, endotoxic shock, subarachnoid hemorrhage, arrhythmias, asthma, preeclampsia, atherosclerotic disorders including Raynaud's disease and restenosis, angina, cancer, pulmonary hypertension, ischemic disease, gastric mucosal damage, hemorrhagic shock, ischemic bowel disease, stroke, benign prostatic hyperplasia (BPH), and diabetes, were prepd. Thus, treatment of 3-(benzo[1,3]dioxol-5-yl)-5-hydroxy-5-(4-methoxyphenyl)-4-(3,4,5-trimethoxybenzyl)-5H-furan-2-one with CF3COOH followed by addn. Et3SiH afforded II which showed IC50 of 30 nM against endothelin receptor ETA (ERBA-A) and of > 2500 nM against ETB (ERBA-B).

L5 ANSWER 12 OF 17 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1997:151521 CAPLUS
DOCUMENT NUMBER: **126:157396**
TITLE: Preparation of 3-phenylheterocycloalkyl-2,4-dione enols as pesticides and herbicides
INVENTOR(S): Lieb, Folker; Hagemann, Hermann; Widdig, Arno; Ruther, Michael; Fischer, Reiner; Bretschneider, Thomas; Erdelen, Christoph; Wachendorff-Neumann, Ulrike; Dahmen, Peter; Dollinger, Markus; Santel, Hans-Joachim; Graff, Alan; Andersch, Wolfram
PATENT ASSIGNEE(S): Bayer A.-G., Germany
SOURCE: Ger. Offen., 135 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19603332	A1	19970102	DE 1996-19603332	19960131
CA 2225830	AA	19970123	CA 1996-2225830	19960617
WO 9702243	A1	19970123	WO 1996-EP2601	19960617
W: AU, BB, BG, BR, BY, CA, CN, CZ, HU, JP, KR, KZ, LK, MX, NO, NZ, PL, RO, RU, SK, TR, UA, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9663561	A1	19970205	AU 1996-63561	19960617
AU 707357	B2	19990708		

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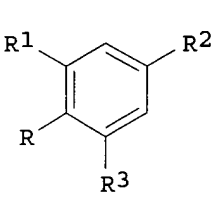
EP 835243	A1	19980415	EP 1996-922817	19960617
R: BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL				
CN 1193960	A	19980923	CN 1996-196456	19960617
BR 9609301	A	19990525	BR 1996-9301	19960617
JP 11510481	T2	19990914	JP 1996-504750	19960617
TW 410141	B	20001101	TW 1996-85107798	19960628
US 5994274	A	19991130	US 1997-981610	19971223
US 6251830	B1	20010626	US 1999-360510	19990726
US 2002022575	A1	20020221	US 2001-839481	20010420
US 6469196	B2	20021022		
CN 1362397	A	20020807	CN 2001-138493	20011114

PRIORITY APPLN. INFO.: DE 1995-19523850 A1 19950630
DE 1996-19603332 A 19960131
WO 1996-EP2601 W 19960617
US 1997-981610 A3 19971223
US 1999-360510 A3 19990726

OTHER SOURCE(S): MARPAT 126:157396

GI



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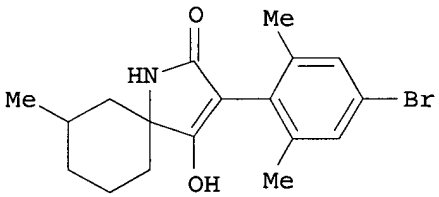

II

AB Title compds. [I; R = 4-(O-acyl)hydroxy-2-oxo-3-pyrrolin-2-yl, -2,5-dihydro-3-furyl, -2,5-dihydro-3-thienyl, etc.; R1 = alkyl; R2,R3 = halo or alkyl] were prepd. Thus, 4,2,6-BrMe2C6H2CH2CO2H was amidated by Me 1-amino-3-methylcyclohexanecarboxylate and the product cyclized to give title compd. II. Data for biol. activity of I were given.

L5 ANSWER 13 OF 17 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1997:41800 CAPLUS
DOCUMENT NUMBER: **126:74741**
TITLE: Alkyl dihalogenated phenyl-substituted keto enols useful as pesticides and herbicides
INVENTOR(S): Lieb, Folker; Hagemann, Hermann; Widdig, Arno; Ruther, Michael; Fischer, Reiner; Bretschneider, Thomas; Erdelen, Christoph; Wachendorff-Neumann, Ulrike; Dahmen, Peter; Dollinger, Markus; Santel, Hans-Joachim; et al.
PATENT ASSIGNEE(S): Bayer A.-G., Germany; Lieb, Folker; Hagemann, Hermann; Widdig, Arno; Ruther, Michael; Fischer, Reiner; Bretschneider, Thomas; Erdelen, Christoph; Wachendorff-Neumann, Ulrike; et al.
SOURCE: PCT Int. Appl., 231 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9635664	A1	19961114	WO 1996-EP1781	19960429
W: AU, BB, BG, BR, BY, CA, CN, CZ, HU, JP, KR, KZ, LK, MX, NO, NZ, PL, RO, RU, SK, TR, UA, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT,				

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	SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
DE	19545467	A1	19961114	DE 1995-19545467	19951206
CA	2220440	AA	19961114	CA 1996-2220440	19960429
AU	9657626	A1	19961129	AU 1996-57626	19960429
EP	825982	A1	19980304	EP 1996-914146	19960429
EP	825982	B1	20021127		
	R: BE, CH, DE, ES, FR, GB, IT, LI, NL				
CN	1189153	A	19980729	CN 1996-195072	19960429
BR	9608229	A	19981229	BR 1996-8229	19960429
JP	11505220	T2	19990518	JP 1996-533707	19960429
ZA	9603633	A	19961125	ZA 1996-3633	19960508
US	6316486	B1	20011113	US 1997-945664	19971031
US	6380246	B1	20020430	US 1999-404424	19990923

PRIORITY APPLN. INFO.:
DE 1995-19516258 A 19950509
DE 1995-19545467 A 19951206
WO 1996-EP1781 W 19960429
US 1997-945664 B3 19971031

OTHER SOURCE(S): MARPAT 126:74741

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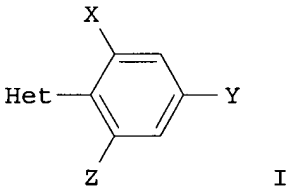

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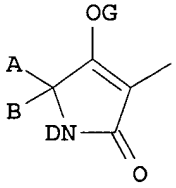

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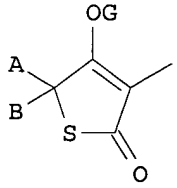

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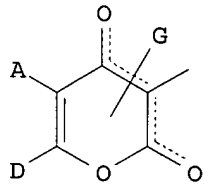

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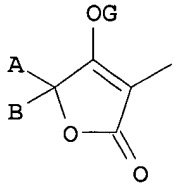

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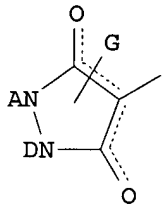

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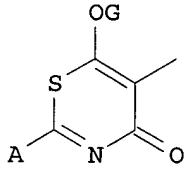

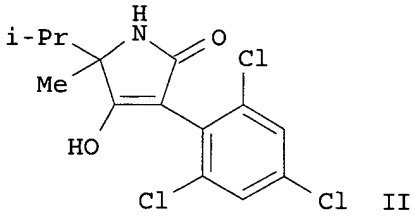

II

AB Title compds. I [X = halo, Y, Z = halo or alkyl, provided that 1 of Y and Z always = halo, and the other = alkyl; Het = 1 of the heterocyclic groups Q1-Q6; A = H, (halo)alkyl, alkenyl, alkoxyalkyl, (un)substituted cycloalkyl or heterocyclyl, etc.; B = H, alkyl, alkoxyalkyl; D = H, (un)substituted alk(en/yn)yl, alkoxyalkyl, cycloalkyl, aralkyl, heterocyclyl, aryl, etc.; A and B, or A and D, may form (un)substituted carbo- or heterocyclic rings; G = various acyl, sulfonyl, or phosphoryl substituents, or metal or ammonium ions] are prepd. Also disclosed are several processes for prepg. the compds., and their use as pesticides and herbicides. For example, amidation of 2,4-dichloro-6-methylphenylacetic acid with H2NC(Me)(i-Pr)CN via the acid chloride using SOCl2 (81%), followed by alcoholysis of the nitrile using H2SO4 and MeOH quench (73%),

and cyclization of the resultant ester with KOBu-tert in THF (73%), gave title compd. II. In a test against Myzus persicae at 0.1%, II gave 100% kill in 6 days. At 250 g/ha preemergence, selected I gave 80-100% kill of 4 weeds with 0-50% damage to Beta vulgaris.

L5 ANSWER 14 OF 17 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1996:577745 CAPLUS
DOCUMENT NUMBER: **125:221568**
TITLE: Preparation of 3-phenyl-2,4-dioxopyrrolidine tautomers and analogs as herbicides and pesticides
INVENTOR(S): Fischer, Reiner; Bretschneider, Thomas; Hagemann, Hermann; Lieb, Folker; Lui, Norbert; Ruther, Michael; Widdig, Arno; Erdelen, Christoph; Wachendorff-Neumann, Ulrike; et al.
PATENT ASSIGNEE(S): Bayer A.-G., Germany
SOURCE: Ger. Offen., 94 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19543864	A1	19960814	DE 1995-19543864	19951124
WO 9625395	A1	19960822	WO 1996-EP382	19960131
W: AU, BB, BG, BR, BY, CA, CN, CZ, FI, HU, JP, KR, KZ, LK, MX, NO, NZ, PL, RO, RU, SK, UA, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9647158	A1	19960904	AU 1996-47158	19960131
BR 9606956	A	19971028	BR 1996-6956	19960131
EP 809629	A1	19971203	EP 1996-902951	19960131
R: BE, CH, DE, ES, FR, GB, IT, LI, NL				
CN 1173866	A	19980218	CN 1996-191907	19960131
JP 11500114	T2	19990106	JP 1996-524608	19960131
ZA 9601107	A	19960828	ZA 1996-1107	19960212
US 6358887	B1	20020319	US 1997-875872	19970805

PRIORITY APPLN. INFO.: DE 1995-19504621 A1 19950213
DE 1995-19543864 A 19951124
WO 1996-EP382 W 19960131
OTHER SOURCE(S): MARPAT 125:221568
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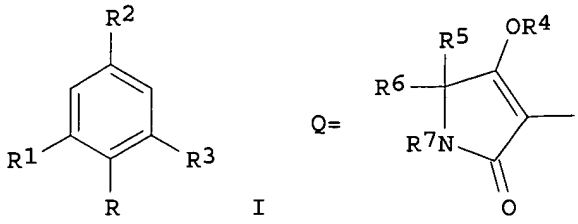

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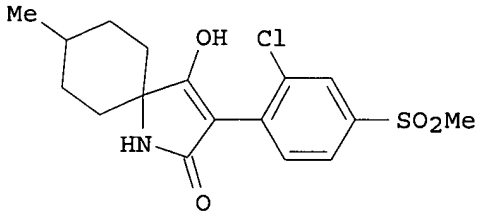

II

AB Title compds. [I; R = oxopyrrolinyl group Q; R1 = halo, alkyl, alkoxy, Ph, etc.; R2,R3 = H, halo, alkyl, alkoxy, etc.; R4 = H, alkanoyl, alkoxycarbonyl, etc.; R5 = H, alkyl, (hetero)aryl, etc.; R6 = H, (alkoxy)alkyl; R5R6 = atoms to form a ring; R7 = H, alkyl, (hetero)aryl, etc.; R6R7 = atoms to form a ring] were prepd. Thus, 2,4-Cl(MeO2S)C6H3Me was converted in 3 steps to 2,4-Cl(MeO2S)C6H3CH2CO2H which was amidated by Me 1-amino-4-methylcyclohexanecarboxylate and the product cyclized to give title compd. II. The latter gave complete control of Nephotettix cinciteps on rice seedlings at 0.1%.

L5 ANSWER 15 OF 17 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1995:994551 CAPLUS
DOCUMENT NUMBER: **124:29593**
TITLE: Preparation of 3-aryl-4-hydroxy-.DELTA.3-dihydrothiophenone pesticides
INVENTOR(S): Fischer, Reiner; Dumas, Jacques; Bretschneider, Thomas; Erdelen, Chrostoph; Wachendorff-Neumann, Ulrike
PATENT ASSIGNEE(S): Bayer A.-G., Germany
SOURCE: Ger. Offen., 94 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 4410420	A1	19950928	DE 1994-4410420	19940325
WO 9526345	A1	19951005	WO 1995-EP953	19950314
W: AU, BB, BG, BR, BY, CA, CN, CZ, FI, HU, JP, KR, KZ, LK, MX, NO, NZ, PL, RO, RU, SK, UA, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9520707	A1	19951017	AU 1995-20707	19950314
EP 751942	A1	19970108	EP 1995-913114	19950314
EP 751942	B1	20000531		
R: BE, CH, DE, ES, FR, GB, IT, LI, NL				
BR 9507179	A	19971007	BR 1995-7179	19950314
JP 09511241	T2	19971111	JP 1995-524930	19950314
ES 2148503	T3	20001016	ES 1995-913114	19950314
ZA 9502413	A	19951218	ZA 1995-2413	19950324

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US 5945444 A 19990831 US 1996-716361 19960918
PRIORITY APPLN. INFO.: DE 1994-4410420 A 19940325
WO 1995-EP953 W 19950314
OTHER SOURCE(S): MARPAT 124:29593
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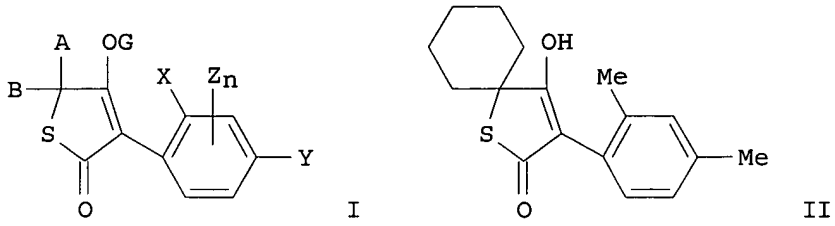

AB The title compds. [I; A, B = (un)substituted alkyl, alkenyl, alkynyl, (un)substituted cycloalkyl, etc; G = H, (un)substituted carbonyl or sulfonyl residue, etc.; X = alkyl, halogen, alkoxy, alkoxy, haloalkyl; Y = H, X; Z = alkyl, halogen, alkoxy; n = 0-3; AB = alkylene, etc; XZ = (un)substituted benzo], useful as pesticides, are prepd. Thus, dihydrothiophenone II, m.p. 199.degree., was prepd. and demonstrated 100% control of Nephotettrix cincticeps-infested Oryza sativa at 0.1% after 6 days.

L5 ANSWER 16 OF 17 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1993:517088 CAPLUS
DOCUMENT NUMBER: **119:117088**
TITLE: Preparation and insecticidal, acaricidal, herbicidal, and fungicidal activities of 3-aryl-4-hydroxy-.DELTA.3-dihydrofuranone and -thiophenone derivatives
INVENTOR(S): Fischer, Reiner; Bretschneider, Thomas; Krueger, Bernd Wieland; Bachmann, Juergen; Erdelen, Christoph; Wachendorff-Neumann, Ulrike; Santel, Hans Joachim; Luerssen, Klaus; Schmidt, Robert R.
PATENT ASSIGNEE(S): Bayer A.-G., Germany
SOURCE: Ger. Offen., 96 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 4216814	A1	19930121	DE 1992-4216814	19920521
EP 528156	A1	19930224	EP 1992-111324	19920703
EP 528156	B1	19970326		
R: BE, CH, DE, ES, FR, GB, GR, IT, LI, NL, PT				
ES 2099770	T3	19970601	ES 1992-111324	19920703
US 5262383	A	19931116	US 1992-909939	19920707
AU 9219599	A1	19930121	AU 1992-19599	19920710
AU 645701	B2	19940120		
JP 05294953	A2	19931109	JP 1992-206261	19920710
JP 3113078	B2	20001127		
BR 9202653	A	19930316	BR 1992-2653	19920713
ZA 9205260	A	19930428	ZA 1992-5260	19920715

PRIORITY APPLN. INFO.: DE 1991-4123532 A1 19910716
DE 1992-4216814 A 19920521
OTHER SOURCE(S): MARPAT 119:117088
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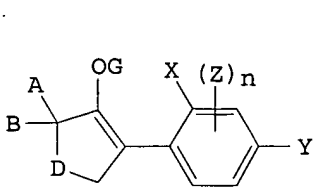

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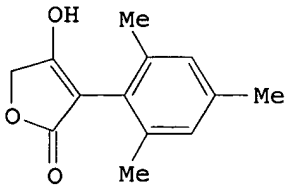

II

AB The prepn. of title compds. I, (X = alkyl, halo, alkoxy, haloalkyl; Y = H, alkyl, halo, alkoxy, haloalkyl; Z = alkyl, halo, alkoxy, n = 0-3; G = H, acyl, alkenylalkyl, organosulfonyl, organophosphonyl, diorganoaminoalkenylalkyl; A, B = H, halo substituted alkyl, alkenyl, alkynyl, alkoxyalkyl, alkylthioalkyl, cycloalkyl, etc.; D = O, S), as insecticide, acaricide, herbicide, and fungicide is claimed. Thus, KOCMe3 mediated cyclization of methoxycarbonylmethyl 2,4,6-trimethylphenylacetate in Me3COH gave furanone deriv. II.

L5 ANSWER 17 OF 17 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1992:59208 CAPLUS
DOCUMENT NUMBER: **116:59208**
TITLE: Preparation of 4-(heterocyclylmethyl)-2-furanones, -pyrrolidinones, and -thiophenones as psychoanaleptics
INVENTOR(S): Hobbs, Sheila H.
PATENT ASSIGNEE(S): Warner-Lambert Co., USA
SOURCE: U.S., 9 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5066663	A	19911119	US 1990-526361	19900521

PRIORITY APPLN. INFO.: US 1990-526361 19900521
OTHER SOURCE(S): MARPAT 116:59208
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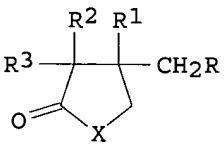

I

AB Title compds. (I; R = heterocyclyl; R1-R3 = H, alkyl, alkynyl, aryl; R1R2 = bond; X = O, S, NR4; R4 = H, alkyl) were prepd. as muscarinic agonists (no data), useful for the treatment of cognitive decline. Prepn. of 3-ethyldihydro-4-(3-pyridazinylmethyl)-2(3H)-furanone by condensation of 3-methylpyridazine with 3-ethyl-2(5H)-furanone (prepn. from .gamma.-butyrolactone given) was described.

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FILE 'CAPLUS' ENTERED AT 17:13:19 ON 09 FEB 2003
L5 17 S L4

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FULL ESTIMATED COST	41.47	244.68

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-11.07	-11.07

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